

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
25885-1751SERIAL NO.  
09/910,120

48

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENTAPPLICANT  
Ault-Riche *et al.*FILING DATE  
July 18, 2001GROUP  
1645

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## U.S. PATENT DOCUMENTS

TECH CENTER 1600/2900

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
MC5	AA	3	8	4	3	4	4	3	10/22/74	Fishman	195	63	03/30/73
	AB	3	9	3	9	1	2	3	02/17/76	Matthews <i>et al.</i>	260	77.5	06/18/74
	AC	4	0	0	6	1	1	7	02/01/77	Merrifield <i>et al.</i>	260	45.9	06/06/75
	AD	4	1	6	2	3	5	5	07/24/79	Tsibris	526	293	06/30/76
	AE	4	1	7	1	4	1	2	10/16/79	Coupek <i>et al.</i>	525	329	04/17/75
	AF	4	1	7	5	1	8	3	11/20/79	Ayers	536	57	05/24/78
	AG	4	1	7	7	0	3	8	12/04/79	Biebricher <i>et al.</i>	8	192	05/17/77
	AH	4	1	7	8	4	3	9	12/11/79	Ayers <i>et al.</i>	536	59	03/01/77
	AI	4	1	7	9	4	0	2	12/18/79	Kim <i>et al.</i>	252	431	05/15/78
	AJ	4	1	8	0	5	2	4	12/25/79	Reusser <i>et al.</i>	585	644	02/16/78
	AK	4	2	4	1	5	3	7	12/30/80	Wood	47	77	05/10/79
	AL	4	2	8	2	2	8	7	08/04/81	Giese	428	407	01/24/80
	AM	4	4	3	9	5	8	5	03/27/84	Gould <i>et al.</i>	525	127	09/02/82
	AN	4	4	8	5	2	2	7	11/27/84	Fox	528	61	06/16/83
	AO	4	5	0	7	2	3	0	03/26/85	Tam <i>et al.</i>	260	112.5	05/12/82
	AP	4	5	4	2	1	0	2	09/17/85	Dattagupta <i>et al.</i>	435	6	07/05/83
	AQ	4	5	6	2	1	5	7	12/31/85	Lowe <i>et al.</i>	435	291	05/25/84
	AR	4	5	6	9	9	8	1	02/11/86	Wenzel <i>et al.</i>	528	67	07/06/81
	AS	4	5	9	1	5	7	0	05/27/86	Chang	435	7.24	02/02/83
	AT	4	6	8	1	8	7	0	07/21/87	Balint, Jr. <i>et al.</i>	502	403	01/11/85
	AU	4	6	8	3	1	9	5	07/28/87	Mullis <i>et al.</i>	435	6	02/07/86
	AV	4	6	8	3	2	0	2	07/28/87	Mullis	435	91	10/25/85
✓	AW	4	7	6	2	8	8	1	08/09/88	Kauer	525	54.11	01/09/87
MC5	AX	4	8	8	5	2	5	0	12/05/89	Eveleigh <i>et al.</i>	435	181	03/02/87

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MCO	AY	4	9	2	7	8	7	9	05/22/90	Pidgeon	525	54.1	10/24/88
	AZ	4	9	3	1	4	9	8	06/05/90	Pidgeon	525	54.1	02/25/88
	BA	4	9	4	6	7	7	8	08/07/90	Ladner <i>et al.</i>	435	69.6	01/19/89
	BB	4	9	5	4	4	4	4	09/04/90	Eveleigh <i>et al.</i>	435	181	12/17/87
	BC	4	9	8	7	0	3	2	01/22/91	Miyasaka <i>et al.</i>	428	411.1	06/24/88
	BD	5	0	9	2	9	9	2	03/03/92	Crane <i>et al.</i>	210	198.2	05/17/91
	BE	5	1	5	4	8	0	8	10/13/92	Miyasaka <i>et al.</i>	204	157.15	06/12/91
	BF	5	2	2	5	5	3	9	07/06/93	Winter	530	387.3	10/25/91
	BG	5	3	2	8	6	0	3	07/12/94	Velander <i>et al.</i>	210	198.2	08/19/92
	BH	5	3	3	4	6	4	0	08/02/94	Desai <i>et al.</i>	524	56	04/08/92
	BI	5	3	8	9	4	4	9	02/14/95	Afeyan <i>et al.</i>	428	523	01/05/93
	BJ	5	4	0	3	7	5	0	04/04/95	Braatz <i>et al.</i>	436	531	04/08/91
	BK	5	4	0	5	7	6	6	04/11/95	Kallury <i>et al.</i>	435	174	03/25/93
	BL	5	4	1	2	0	8	7	05/02/95	McGall <i>et al.</i>	535	24.3	04/24/92
	BM	5	4	1	6	1	9	3	05/16/95	Desai	530	334	04/30/93
	BN	5	4	3	2	0	1	8	07/11/95	Dower <i>et al.</i>	435	5	06/20/91
	BO	5	4	4	3	8	1	6	08/22/95	Zamora <i>et al.</i>	424	1.69	02/20/92
	BP	5	4	4	5	9	3	4	08/29/95	Fodor <i>et al.</i>	435	6	09/30/92
	BQ	5	4	5	1	6	8	3	09/19/95	Barrett <i>et al.</i>	548	302.7	04/23/93
	BR	5	4	9	4	8	1	0	02/27/96	Barany <i>et al.</i>	435	91.52	11/22/94
	BS	5	4	9	6	9	3	8	03/05/96	Gold <i>et al.</i>	536	22.1	10/21/92
	BT	5	5	4	7	8	3	9	08/20/96	Dower <i>et al.</i>	435	6	12/06/90
↓	BU	5	5	5	6	7	5	2	09/17/96	Lockhart <i>et al.</i>	435	6	10/24/94
Maf	BV	5	5	8	2	9	8	1	12/10/96	Toole <i>et al.</i>	435	6	04/28/94

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MC6	BW	5	6	2	0	8	5	0	04/15/97	Bamdad <i>et al.</i>	530	300	09/26/94
	BX	5	6	2	9	2	1	3	05/13/97	Kornguth <i>et al.</i>	436	518	03/03/95
	BY	5	6	7	7	1	9	6	10/14/97	Herron <i>et al.</i>	436	518	06/22/94
	BZ	5	6	8	8	6	4	2	11/18/97	Chrissey <i>et al.</i>	435	6	12/01/94
	CA	5	7	4	1	4	6	2	04/21/98	Nova <i>et al.</i>	422	68.1	04/25/95
	CB	5	7	4	4	3	0	5	04/28/98	Fodor <i>et al.</i>	435	6	06/06/95
	CC	5	7	5	1	6	2	9	05/12/98	Nova <i>et al.</i>	365	151	06/07/95
	CD	5	7	7	6	6	7	4	07/07/98	Ulmer	435	6	06/05/95
	CE	5	8	4	0	8	6	7	11/24/98	Toole <i>et al.</i>	536	23.1	05/03/94
	CF	5	8	6	1	2	5	4	01/19/99	Schneider <i>et al.</i>	435	6	01/31/97
	CG	5	8	7	4	2	1	4	02/23/99	Nova <i>et al.</i>	435	6	10/03/95
	CH	5	8	8	8	7	3	2	03/30/99	Hartley <i>et al.</i>	435	6	06/07/96
	CI	5	9	1	6	8	0	4	06/29/99	Bushman	435	325	04/17/98
	CJ	5	9	1	6	8	1	0	06/29/99	Jarvik	435	440	07/28/97
	CK	5	9	2	5	5	6	2	07/20/99	Nova <i>et al.</i>	435	287.1	06/07/95
	CL	5	9	4	8	6	7	7	09/07/99	Jarvik	435	325	12/09/96
	CM	5	9	6	1	9	2	3	10/05/99	Nova <i>et al.</i>	422	68.1	09/30/96
	CN	5	9	7	2	6	3	9	10/26/99	Parandoosh	435	29	07/24/97
	CO	6	0	1	3	4	8	7	01/11/00	Mitchell	435	91.3	12/13/96
	CP	6	0	1	7	4	9	6	01/25/00	Nova <i>et al.</i>	422	68.1	09/06/96
	CQ	6	0	2	5	1	2	9	02/15/00	Nova <i>et al.</i>	435	6	12/05/95
	CR	6	0	6	0	2	4	0	05/09/00	Kamb <i>et al.</i>	435	6	12/13/96
↓	CS	6	0	8	7	1	8	6	07/11/00	Cargill <i>et al.</i>	436	518	02/02/95
MC6	CT	6	0	9	6	7	1	7	08/01/00	Jarvik	514	44	11/08/96

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MAC	CU	6	1	0	3	4	6	3	08/15/00	Chetverin <i>et al.</i>	435	6	05/23/94
	CV	6	1	1	7	6	7	9	09/12/00	Stemmer	435	440	03/25/96
	CW	6	1	4	0	1	2	9	10/31/00	Cox <i>et al.</i>	435	477	09/16/98
	CX	6	1	4	3	5	5	7	11/07/00	Hartley <i>et al.</i>	435	320.1	01/20/99
	CY	6	1	7	1	8	6	1	01/09/01	Hartley <i>et al.</i>	435	455	01/12/98
	CZ	6	1	7	4	7	0	8	01/16/01	Sodoyer <i>et al.</i>	435	91.1	01/22/99
	DA	6	2	0	7	4	4	6	03/27/01	Szostak <i>et al.</i>	435	287.2	10/29/99
	DB	6	2	1	4	5	5	3	04/10/01	Szostak <i>et al.</i>	435	6	02/05/99
	DC	6	2	2	5	0	7	7	05/01/01	Schmidt <i>et al.</i>	435	19	09/05/99
↓	DD	6	2	3	8	9	2	3	05/29/01	Passmore <i>et al.</i>	435	440	11/01/99
MAC	DE	6	4	0	3	3	0	9	06/11/02	Iris <i>et al.</i>	435	6	03/19/99

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
MAC	DF	0	0	0	4	3	8	2	01/27/00	PCT				
	DG	0	0	0	4	3	8	9	01/27/00	PCT				
	DH	0	0	0	4	3	9	0	01/27/00	PCT				
	DE	0	0	2	4	9	3	7	05/04/00	PCT				
	DJ	0	0	5	6	4	4	6	09/28/00	PCT				
	DK	0	0	6	0	3	6	1	10/12/00	PCT				
	DL	0	1	1	3	1	1	9	02/22/01	PCT				
↓	DM	0	1	1	4	5	8	9	03/01/01	PCT				
MAC	DN	0	2	2	7	2	0	81	06/11/90	JP				X*

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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
MO6	DO	0	5	9	6	4	2	1	05/11/94	EP				X*
	DP	8	6	0	3	8	4	0	07/03/86	PCT				
	DQ	9	5	3	5	5	0	5	12/28/95	PCT				
	DR	9	6	3	0	0	4	3	10/03/96	PCT				
	DS	9	7	4	2	3	4	8	11/13/97	PCT				
	DT	9	8	1	5	8	2	5	04/16/98	PCT				
	DU	9	8	2	0	0	1	9	05/14/98	PCT				
	DV	9	8	2	0	0	2	0	05/14/98	PCT				
	DW	9	8	2	3	9	4	8	06/04/98	PCT				
	DX	9	8	2	3	9	5	0	06/04/98	PCT				
	DY	9	8	3	1	7	3	2	07/23/98	PCT				
	DZ	9	8	3	9	4	8	1	09/11/98	PCT				
	EA	9	8	4	3	0	8	6	10/01/98	PCT				
	EB	9	8	5	0	7	7	3	11/12/98	PCT				
	EC	9	9	1	2	0	4	0	03/11/99	PCT				
	ED	9	9	1	9	5	1	5	04/22/99	PCT				
	EE	9	9	3	2	6	6	3	07/01/99	PCT				
	EF	9	9	3	9	2	1	0	08/05/99	PCT				
	EG	9	9	4	5	1	4	9	09/10/99	PCT				
↓	EH	9	9	5	7	3	1	8	11/11/99	PCT				
MA7	EI	9	9	6	0	0	0	7	11/25/99	PCT				

X\* = English language Derwent is provided.

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Ault-Riche <i>et al.</i>	
	FILING DATE July 18, 2001	GROUP 1645

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

mas	EJ	<i>Antibodies: A Laboratory Manual</i> , Harlow <i>et al.</i> ; Cold Spring Harbor Laboratory ;1988
	EJ	<i>Antibody Engineering</i> , Borrebaeck, Carl A.K., 2nd ed.; New York: Oxford University Press; 1995
	EL	<i>Antibody Engineering: A Practical Approach</i> ; McCafferty <i>et al.</i> ; Oxford University Press, Oxford (1996)
	EM	ATCC Acession No.: CRL-1606; HFN7.1; spleen; B lymphocyte; hybridoma
	EN	ATCC Acession No.: HB-8162; 10F7MN; B lymphocyte; hybridoma
	EO	Ault-Riche <i>et al.</i> , "A Single Mutation at Lysine 426 of Human Placental S-Adenosylhomocysteine Hydrolase Inactivates the Enzyme", <i>J. Biol. Chem.</i> , <u>269</u> (50):31472-31478 (1994)
	EP	Ault-Riche <i>et al.</i> , "Definitive Enzymatic Assays in Polyphosphate Analysis", <i>Prog. Mol. Subcell Biol.</i> , <u>23</u> :241-252 (1999)
	EQ	Ault-Riche <i>et al.</i> , "Effects of 4'-Modified Analogs of Aristeromycin on the Metabolism of S-Adenosyl-L-Homocysteine in Murine L929 Cells", <i>Mol. Pharmacol.</i> , <u>42</u> (6):989-997 (1993)
	ER	Ault-Riche <i>et al.</i> , "Novel Assay Reveals Multiple Pathways Regulating Stress-Induced Accumulations of Inorganic Polyphosphate in <i>Escherichia coli</i> ", <i>J. Bacteriol.</i> <u>180</u> (7): 1841-1847 (1998)
	ES	Baldwin <i>et al.</i> , "Synthesis of a Small Molecule Combinatorial Library Encoded with Molecular Tags", <i>J. Am. Chem. Soc.</i> , <u>117</u> :5588-5589 (1995)
	ET	Barany, F., "LCR: The Ligase Chain Reaction in a PCR World, PCR Methods and Applications", <i>Review</i> , <u>1</u> :5-16 (1991)
	EU	Barbas <i>et al.</i> , "Assembly of Combinatorial Antibody Libraries on Phage Surfaces: The Gene III Site", <i>PNAS</i> , <u>88</u> :7978-7892 (1991)
	EV	Batra <i>et al.</i> , "Insertion of Constant Region Domains of Human IgG <sub>1</sub> into CD4-PE40 Increases its Plasma Half-life", <i>Molecular Immunology</i> , <u>30</u> (4):379-386 (1993)
	EW	Beattie <i>et al.</i> , "Genosensor Technology", <i>Clin. Chem.</i> , <u>39</u> (4):719-22 (1993)
↓	EX	Berg <i>et al.</i> , "Polystyrene-Grafted Polyethylene: Design of Film and Felt Matrices for Solid-Phase Peptide Synthesis", <i>Innovation Perspect. Solid Phase Synth. Collect Pap., Int. Symp., 1st, Epton, Roger (Ed)</i> , pp. 453-459 (1990)
mas	EY	Berg <i>et al.</i> , "Peptide Synthesis on Polystyrene-Grafted Polyethylene Sheets", <i>Pept., Proc. Eur. Pept. Symp., 20th, Jung, G. et al. (Eds)</i> , pp. 196-198 (1989)

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

mc6	EZ	Berg <i>et al.</i> , "Long-Chain Polystyrene-Grated Polyethylene Film Matrix: A New Support for Solid-Phase Peptide Synthesis", <i>J. Am. Chem. Soc.</i> , <u>111</u> :8024-8026 (1989)
	FA	Biochemical Nomenclature, "IUPAC-IUB Commission on Biochemical Nomenclature Symbols for Amino-Acid Derivatives and Peptides Recommendations", <i>Biochem.</i> , <u>11(9)</u> :1726 (1972)
	FB	Brignac, Jr. <i>et al.</i> , "A Proximal CCD Imaging System for High-Throughput Detection of Microarray-Based Assays", <i>IEEE Eng. Med. Biol.</i> , pp. 120-122 (1999)
	FC	Broach <i>et al.</i> , "Recombination within the Yeast Plasmid 2 $\mu$ Circle is Site-Specific", <i>Cell</i> , <u>29</u> :227-234 (1982)
	FD	Bunin <i>et al.</i> , "The Combinatorial Synthesis and Chemical and Biological Evaluation of a 1,4-Benzodiazepine Library", <i>PNAS</i> , <u>91</u> :4708-4712 (1994)
	FE	Calkins, K., "Going Deep", <i>BioCentury</i> , <u>7</u> :A1-A5 (1999)
	FF	Cantor <i>et al.</i> , "Intein-Mediated Rapid Purification of Cre Recombinase", <i>Protein Expression &amp; Purification</i> , <u>22(1)</u> :135-140 (2001)
	FG	Chen <i>et al.</i> , "'Analogous' Organic Synthesis of Small-Compound Libraries: Validation of Combinatorial Chemistry in Small-Molecule Synthesis", <i>J. Am. Chem. Soc.</i> , <u>116</u> :2661 (1994)
	FH	Coljee <i>et al.</i> , "Seamless Gene Engineering Using RNA- and DNA Overhang Cloning", <i>Nat. Biotechnol.</i> , <u>18(7)</u> :789-791 (2000)
	FI	Datta <i>et al.</i> , "Triplex-induced Recombination in Human Cell-free Extracts", <i>J. Biol. Chem.</i> , <u>276(21)</u> :18018-18023 (2001)
	FJ	De Marini <i>et al.</i> , "Oligonucleotide-Mediated, PCR-Independent Cloning by Homologous Recombination", <i>Biotechniques</i> , <u>30(3)</u> :520-523 (2001)
	FK	DeHaard <i>et al.</i> , "A Large Non-immunized Human Fab Fragment Phage Library that permits Rapid Isolation and Kinetic Analysis of High Affinity Antibodies", <i>J. Biol. Chem.</i> , <u>274</u> :18218-18230 (1999)
	FL	Derwent #008486620, WPI Acc. No. 1990-373620/199050, for Japanese Patent Application No. JP 2272081, cited at Item DN.
✓	FM	Derwent #009872921, WPI Acc. No. 1994-152834/199419, fo European Patent Application No. EP 596421 A, cited at Item DO.
mc6	FN	DeWitt <i>et al.</i> , "'Diversomers': An Approach to Nonpeptide, Nonoligomeric Chemical Diversity", <i>PNAS</i> , <u>90</u> :6909-6913 (1993)

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MCB	FO	Eggers <i>et al.</i> , "A Review of Microfabricated Devices for Gene-based Diagnostics", <i>Hematologic Pathology</i> , <u>9(1)</u> :1-15 (1995)
	FP	Eggers <i>et al.</i> , "Electronically Wired Petri Dish: A Microfabricated Interface to the Biological Neuronal Network", <i>J. Vac. Sci. Technol.</i> , <u>8(6)</u> :1392-1398 (1990)
	FQ	Eggers <i>et al.</i> , "Advanced Approach to Simultaneous Monitoring of Multiple Bacteria in Space", <u>Proceedings 27th International Conference on Environmental Systems</u> , Lake Tahoe, Nevada, July 14th-17th, pp. 817-824 (1997)
	FR	Eggers <i>et al.</i> , "A Microchip for Quantitative Detection of Molecules Utilizing Luminescent and Radioisotope Reporter Groups", <i>BioTechniques</i> , <u>17(3)</u> :516-520, 522-524 (1994)
	FS	Eggers <i>et al.</i> , "Emergence of Biochip Technology: Interfacing Neurons and Computers", <u>Neural Networks: Concepts, Applications and Implementations, Part 4</u> , P. Antognetti and V. Milutinovic (Eds.), Prentice-Hall series on Neural Networks, New Jersey, pp. 174-216 (1991)
	FT	Eggers <i>et al.</i> , "Genosensors: microfabricated devices for automated DNA sequence analysis", <u>Advances in DNA Sequencing Technology</u> , R. Keller (Ed.), <i>Proc. SPIE 1891</i> , (1993)
	FU	Eggers <i>et al.</i> , "High-Throughput Arrays for Efficient Screening and Analysis", J. Cheng and L. Kricka (Eds.), <i>BioChip Technol.</i> , pp. 115-134 (1999)
	FV	Gavilondo <i>et al.</i> , "Antibody Engineering at the Millennium", <i>BioTechniques</i> , <u>29</u> :128-145 (2000)
	FW	Goldmacher <i>et al.</i> , "Photoactivation of Toxin Conjugates", <i>Bioconjugate Chemistry</i> , <u>3</u> :104-107 (1992)
	FX	Gupta <i>et al.</i> , "Simplified Gene-Fragment Phage Display System for Epitope Mapping", <i>BioTechniques</i> , <u>27(2)</u> :328, 330, 332-334 (1999)
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	FZ	Hale <i>et al.</i> , "Irreversible, Oriented Immobilization of Antibodies to Cobalt-Iminodiacetate Resin for Use as Immunoaffinity Media", <i>Analytical Biochemistry</i> , <u>231</u> :46-49 (1995)
✓	GA	Hanes <i>et al.</i> , "In vitro Selection and Evolution of Functional Proteins by Using Ribosome Display", <i>PNAS</i> , <u>94</u> :4937-4942 (1997)
MCB	GB	Hanes <i>et al.</i> , "Selecting and Evolving Functional Proteins in Vitro by Ribosome Display", <i>Methods Enzymology</i> , <u>328</u> :404-430 (2000)

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 25885-1751	SERIAL NO. 09/910,120	#8
	APPLICANT Ault-Riche <i>et al.</i>		
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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT


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MC5	GC	Hazum <i>et al.</i> , "A Photocleavable Protecting Group for the Thiol Function of Cysteine", <i>Pept. Proc. Eur. Pept. Symp.</i> 16th, Brunfeldt, K. (Ed), pp. 105-110 (1981)
	GD	Hermanson <i>et al.</i> , "Immobilized Affinity Ligand Techniques", Academic Press, Inc., San Diego (1992)
	GE	Ill <i>et al.</i> , "A COOH-Terminal Peptide Confers Regiospecific Orientation and Facilitates Atomic Force Microscopy of an IgG <sub>1</sub> ", <i>Biophys J.</i> , 64:919-924 (1993)
	GF	Immobilized Biochemicals and Affinity Chromatography, <i>Advances in Experimental Medicine and Biology</i> , vol. 42, Dunlap, R. (Ed.), Plenum Press, N.Y. (1974).
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	GH	Jung <i>et al.</i> , "Selectively Infective Phage (SIP) Technology: Scope and Limitations", <i>J. Immunol. Methods</i> , 231:93-104 (1999)
	GI	Kennedy <i>et al.</i> , "Immobilized Enzymes", <i>Solid Phase Biochemistry, Analytical and Synthetic Aspects</i> , Scouten (Ed.), pp. 253-391
	GJ	Kent <i>et al.</i> , "Preparation and Properties of <i>tert</i> -Butyloxycarbonylaminoacyl-4-(oxymethyl)phenylacetamidomethyl-(Kel F-g-styrene) Resin, and Insoluble, Noncrosslinked Support for Solid Phase Peptide Synthesis", <i>Israel J. Chem.</i> , 17:243-247 (1979)
	GK	Kick <i>et al.</i> , "Expedient Method for the Solid-Phase Synthesis for Aspartic Acid Protease Inhibitors Directed toward the Generation of Libraries", <i>J. Med. Chem.</i> , 38:1427-1430 (1995)
	GL	Kieke <i>et al.</i> , "Selection of Functional T Cell Receptor Mutants from a Yeast Surface-display Library", <i>PNAS</i> , 96:5651-5656 (1999)
	GM	Kornberg <i>et al.</i> , "Inorganic Polyphosphate: A Molecule of Many Functions", <i>Annu. Rev. Biochem.</i> , 68:89-125 (1999)
	GN	Kucherlapati <i>et al.</i> , "Homologous Recombination in Monkey Cells and Human Cell-free Extracts", <i>Cold Spring Harb Symp Quant Biol.</i> , 49:191-197 (1984)
	GO	Lamtire <i>et al.</i> , "Direct Detection of Nucleic Acid Hybridization on the Surface of a Charge Coupled Device", <i>Nucl. Acids Res.</i> , 22(11):2121-2125 (1994)
✓	GP	Landegren <i>et al.</i> , "A Ligase-Mediated Gene Detection Technique", <i>Science</i> , 241:1077-1080 (1988)
MC5	GQ	Landegren <i>et al.</i> , "DNA Diagnostics-Molecular Techniques and Automation", <i>Science</i> , 42:229-237 1988

EXAMINER		DATE CONSIDERED	3/26/03
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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Ault-Riche <i>et al.</i>	
	FILING DATE July 18, 2001	GROUP 1645

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<i>MCF</i>	GR	Lashkari <i>et al.</i> , "High-Throughput DNA Chips for Efficient Screening and Analysis", <i>SigBio Newsletter</i> , <u>192</u> :2-4 (1999)
	GS	Liu <i>et al.</i> , "An Efficient Method for Blunt-End Ligation of PCR Products", <i>BioTechniques</i> <u>12(1)</u> :28-30 (1989)
	GT	Loetscher <i>et al.</i> , "Immobilization of Monoclonal Antibodies for Affinity Chromatography Using a Chelating Peptide", <i>J. Chromatography</i> , <u>595</u> :113-119 (1992)
	GU	Lucklow <i>et al.</i> , "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in <i>Escherichia coli</i> ", <i>J. Virol.</i> , <u>67(8)</u> :4566-4579 (1993)
	GV	Maeji <i>et al.</i> , "Grafted Supports Used with the Multipin Method of Peptide Synthesis", <i>Reactive Polymers</i> , <u>22</u> :203-212 (1994)
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	HC	Mendoza <i>et al.</i> , "High-Throughput Microarray-Based Enzyme-Linked Immunosorbent Assay (ELISA)", <i>BioTechniques</i> , <u>27(4)</u> :778-788 (1999)
↓	HD	Merrifield, "Solid-Phase Peptide Synthesis", <i>Biochem.</i> , <u>3(9)</u> :1385-1390 (1964)
<i>MCF</i>	HE	Milosavljevic <i>et al.</i> , "Discovering Patterns in DNA Sequences by the Algorithmic Significance Method", <i>Pattern Discovery in Biomolecular Data</i> , Oxford University Press, pp. 3-23 (1999)

EXAMINER <i>CRQ</i>	DATE CONSIDERED <i>3/26/03</i>
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	FILING DATE July 18, 2001	GROUP 1645 <b>RECEIVED</b> AUG 12 2002

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MCS	HF	Mitchell <i>et al.</i> , "A New Synthetic Route to <i>tert</i> -Butyloxycarbonylaminoacyl-4-(oxymethyl)phenylacetamidomethyl-resin, an Improved Support for Solid-Phase Peptide Synthesis", <i>J. Org. Chem.</i> , <u>43</u> (14):2845-2852 (1978)
	HG	Mitchell <i>et al.</i> , "Preparation of Aminomethyl-Polystyrene Resin by Direct Amidomethylation", <i>Tetrahedron Letters</i> , <u>42</u> :3795-3798 (1976)
	HH	Mosbach, <i>et al.</i> , "Immobilization of Enzymes to Various Acrylic Copolymers", <i>Methods in Enzymology</i> , <u>44</u> :53-65 (1976)
	HI	Mosbach, K, "Affinity Techniques. Enzyme Purification: Part B," <i>Methods in Enzymology</i> , Vol. 34, Jakoby, W.B., M. Wilchek (Eds.) New York: Academic Press, 1974
	HJ	Orlandi <i>et al.</i> , "Cloning Immunoglobulin Variable Domains for Expression by the Polymerase Chain Reaction", <i>PNAS</i> , <u>86</u> :3833-3837 (1989)
	HK	Padwa <i>et al.</i> , "Photoelimination of a $\beta$ -Keto Sulfide with a Low-Lying $\pi$ - $\pi^*$ Triplet State", <i>J. Org. Chem.</i> , <u>36</u> (23):3550-3552 (1971)
	HL	Patent Abstracts of Japan vol. 015, no. 034 (c-0799) (28/Jan/91) [corresponds to JP02272081 A 06/Nov/90]
	HM	<i>PCR 2: A Practical Approach.</i> ; McPherson, Hames, Taylor (Eds.), Oxford University Press, Oxford (1995)
	HN	Phipps <i>et al.</i> , "Detection of Antibody Display Phage without Clearing of Bacterial Culture", <i>BioTechniques</i> , <u>29</u> (4):737, 739-40 (2000)
	HO	Pidgeon <i>et al.</i> , "Solid Phase Membrane Mimetics: Immobilized Artificial Membranes", <i>Enzym. Microb. Technol.</i> , <u>12</u> :149-150 (1990)
	HP	PIERCE CATALOG, ImmunoTechnology Catalog & Handbook, 1992-1993
	HQ	Powers <i>et al.</i> , "Protein Purification by Affinity Binding to Unilamellar Vesicles", <i>Biotechnol. Bioeng.</i> , <u>33</u> :173-182 (1989)
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	HS	Randolph <i>et al.</i> , "Major Simplifications in Oligosaccharide Syntheses Arising from a Solid-Phase Based Method: An Application to the Synthesis of the Lewis b Antigen", <i>J. Am. Chem. Soc.</i> , <u>117</u> :5712-5719 (1995)
MCS	HT	Roda <i>et al.</i> , "Protein Microdeposition Using a Conventional Ink-Jet Printer", <i>BioTechniques</i> , <u>28</u> (3):492-496 (2000)

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MC	HU	Sambrook <i>et al.</i> , <i>Molecular Cloning, A Laboratory Manual</i> , Cold Spring Harbor Laboratory Press, vol. 3, p. B.13, Chapter 1 and Chapter 8 (1989)
	HV	Schaffitzel <i>et al.</i> , "Ribosome Display: An in vitro Method for Selection and Evolution of Antibodies from Libraries", <i>J. Immunol. Methods</i> , <u>231</u> :119-135 (1999)
	HW	Senter <i>et al.</i> , "Novel Photocleavable Protein Crosslinking Reagents and Their Use in the Preparation of Antibody-Toxin Conjugates", <i>Photochem. Photobiol.</i> <u>42</u> :231-237 (1985)
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	IB	Stewart, <i>et al.</i> , <i>Solid Phase Peptide Synthesis</i> , 2nd Edition Pierce Chemical Co., Rockford., 1984 pgs. 53-73
	IC	Sucholeiki, I., "Solid-Phase Photochemical C-S Bond Cleavage of Thioethers-A New Approach to the the Solid-Phase Production of Non-Peptide Molecules", <i>Tetrahedron Letters</i> , <u>35</u> :7307-7310 (1994)
	ID	Vedejs <i>et al.</i> , "A Method for Mild Photochemical Oxidation; Conversion of Phenacyl Sulfides into Carbonyl Compounds", <i>J. Org. Chem.</i> , <u>49</u> :573-575 (1984)
	IE	Wang, S., "Solid Phase Synthesis of Protected Peptides via Photolytic Cleavage of the $\alpha$ -Methylphenacyl Ester Anchoring Linkage", <i>J. Org. Chem.</i> , <u>41</u> :3258-3261 (1976)
	IF	Watson <i>et al.</i> , "Molecular Biology of the Gene", <i>Mol. Biol. Gene</i> , 4th Edition, The Benjamin/Cummings Pub. Co., p. 224 (1987)
	IG	Weiler <i>et al.</i> , "Hybridisation Based DNA Screening on Peptide Nucleic Acid (PNA) Oligomer Arrays", <i>Nucl. Acids Res.</i> , <u>25</u> (14):2792-2799 (1997)
✓	IH	Wong, S., "Chemistry of Protein Conjugation and CrossLinking", CRC Press
MC	II	Yen <i>et al.</i> , "Synthesis of Water-Soluble Copolymers Containing Photocleavable Bonds", <i>Makromol. Chem.</i> , <u>190</u> :69-82 (1989)

EXAMINER <i>ACQ</i>	DATE CONSIDERED <i>3/26/03</i>
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	APPLICANT Ault-Riche <i>et al.</i>	
	FILING DATE July 18, 2001	GROUP 1645
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		

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MCB	IJ	Yuan <i>et al.</i> , "Chemical Modification and Site-Directed Mutagenesis of Cysteine Residues in Human Placental S-Adenosylhomocysteine Hydrolase", <i>J. Biol. Chem.</i> , <u>271</u> (45):28009-28016 (1996)
↓	IK	Zhang <i>et al.</i> , "A New Logic for DNA Engineering Using Recombination in <i>Escherichia coli</i> ", <i>Nature Genetics</i> , <u>20</u> :123-128 (1998)
↓	IL	Zipkin, I, "Genometrix: Microarray Services Online", <i>BioCentury</i> , <u>7</u> :A9 (1999)
MCB	IM	Zuckerman <i>et al.</i> , "Efficient Method for the Preparation of Peptoids [Oligo(N-substituted glycines)] by Submonometer Solid-Phase Synthesis", <i>J. Am. Chem. Soc.</i> , <u>114</u> :10646 (1992)

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	APPLICANT Ault-Riche <i>et al.</i>	
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
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↓	B	6	3	6	5	4	1	8	04/02/02	Wagner et al.	436	518	05/18/00
mc	C	6	4	0	6	9	2	1	06/18/02	Wagner et al.	436	518	07/14/98

## FOREIGN PATENT DOCUMENTS

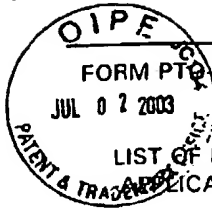
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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	None.

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LIST OF PATENTS AND PUBLICATIONS FOR  
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STATEMENTATTY. DOCKET NO.  
25885-1751SERIAL NO.  
09/910,120CONFIRMATION  
NO. 1666APPLICANT  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
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	C	0	0	6	8	2	7	2	06/06/02	Larocca <i>et al.</i>	435	5	05/24/01
	D	0	1	0	6	7	0	2	08/08/02	Wagner <i>et al.</i>	435	7.9	03/29/02
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	I	6	1	9	7	5	9	9	03/06/01	Chin <i>et al.</i>	436	518	07/30/98
	J	6	4	5	1	5	2	7	09/17/02	Larocca <i>et al.</i>	435	6	02/26/99
	K	6	4	7	2	1	4	6	10/29/02	Larocca <i>et al.</i>	435	5	11/17/98
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	M	6	4	7	5	8	0	9	11/05/02	Wagner <i>et al.</i>	436	518	05/12/00
	N	6	5	7	6	4	7	8	06/10/03	Wagner <i>et al.</i>	436	518	07/14/98
MA	O	6	5	8	2	9	6	9	06/24/03	Wagner <i>et al.</i>	436	518	05/12/00

US Pre-Grant Publication

## FOREIGN PATENT DOCUMENTS

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

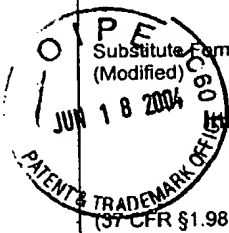
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**Information Disclosure Statement  
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 Attorney's Docket No.  
 17102-002001 /  
 25885-1751

 Application No.  
 09/910,120  
 Customer No.  
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 Applicant  
 Dana Ault-Riche, et al.

 Filing Date  
 July 18, 2001

 Group Art Unit  
 1639  
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 1666

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
MC	A	5198346	3/30/93	Ladner <i>et al.</i>			
	B	5811231	9/22/98	Farr <i>et al.</i>			
	C	6165709	12/26/00	Friend <i>et al.</i>			
	D	6333155	12/25/01	Lockhart <i>et al.</i>			
	E	6406840	6/18/02	Li <i>et al.</i>			
	F	6461807	10/8/02	Friend <i>et al.</i>			
	G	6468476	10/22/02	Friend <i>et al.</i>			
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MC	J	20040048311	3/11/04	Ault-Riche <i>et al.</i>			


**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
MC	K	WO03/062402	7/31/03	PCT				

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document


10385061.doc

Examiner Signature 	Date Considered 12/12/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. COLLECTIONS OF BINDING PROTEINS AND TAGS AND USES THEREOF FOR NESTED SORTING AND HIGH THROUGHPUT SCREENING	

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 17102-002001 / 1751		Application No. 09/910,120	
<b>List of Patents and Publications for Applicant's Information Disclosure Statement</b>  (37 CFR §1.98(b))				Applicant Dana Ault-Riche, Ph.D., et. al			
				Filing Date July 18, 2001		Group Art Unit 1639	
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Foreign Patent Documents or Published Foreign Patent Applications								
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MCS	H	2004/042019	05/21/04	PCT	—	—	—	—

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MCS	I	Kassner et al. "Genetic selection of phage engineered for receptor-mediated gene transfer to mammalian cells." Biochem Biophys Res Commun. 1999 Nov 2;264(3):921-8.

Examiner Signature	Date Considered
	12/12/04
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Collections of Antibodies For Nested Sorting and High Throughput Screening	